

DPS-527-Q/20mJ

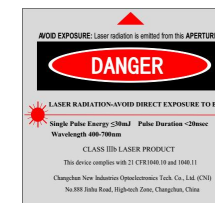
**HIGH ENERGY DIODE PUMPED
ALL-SOLID-STATE
Q-SWITCHED LASER**

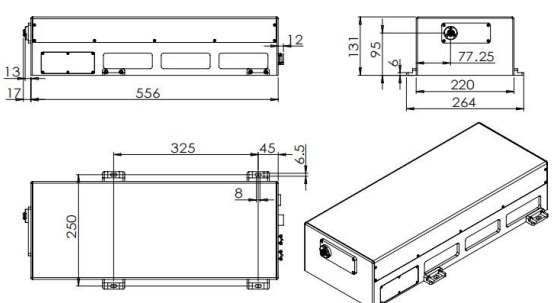
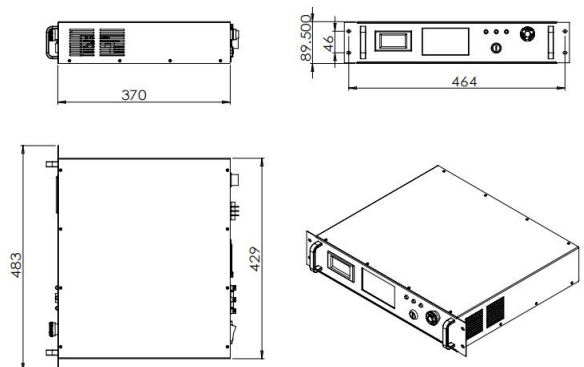
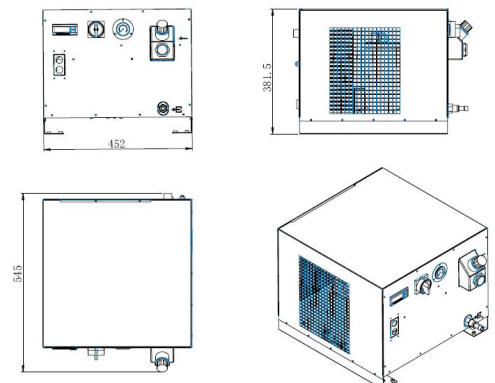
High energy diode pumped all solid state Q-switched laser at 527nm has the features of high single pulse energy, high output power, and high peak power, which is widely used in pumping Ti:Sapphire laser, semiconductor water surface processing, PIV, flow field lighting imaging, scientific research, and so on.



SPECIFICATIONS

Wavelength (nm)	527±1
Operating mode	Q-switched
Single pulse energy (mJ)	20@1kHz
Output power (W)	20@1kHz
Pulse duration (ns)	~200@1kHz
Rep. rate (kHz)	One fixed value between 0.2~10
Mode	Multi-Mode
Power stability	<1%
Beam divergence, full angle (mrad)	~5
Beam diameter (mm)	~5
Beam pointing stability (urad)	50
Polarization	Linear
Warm-up time (minutes)	<15
Beam height from base plate (mm)	95
Cooled method	Water Cooled
Operating temperature (°C)	15~35
Power supply (220/110VAC)	PSU-DPS-Q
Expected lifetime (hours)	10000
Available Options	Articulated arm; Laser light sheet; Double pulse function: adjustable pulse interval of 100 ~ 400us



DPS-527-Q	PSU-DPS-Q	Water Chiller (WCH-2000)
 <p>556 (L) × 264 (W) × 131 (H) mm³, 17.7kg</p>	 <p>370 (L) × 483 (W) × 89.5 (H) mm³, 6.8kg Rep. Rate and Current can be adjusted by touch screen</p>	 <p>545 (L) × 452 (W) × 381.5 (H) mm³, 40 kg</p>